

TG ① BU ① BL ① AL ① BU ① OT ② L ②

KPC Behavior

Day 30th Month DEC Year 2009 KPC Fm Others FC AG Found N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
628										
630	TUES LWKE MSSI AJ	TGOU OTAL BLBU LR	BOAZ TTOGAT	OMOL ANPEU TDTS	KRS /off trail					
645	TUES LWKE MSSI AJ	TGOU OTAL BLBU LR	BOAZ TTOGAT	OMOL ANPEU TDTS	"					
700	TUES LWKE MSSI AJ	TGOU OTAL BLBU LR	BOAZ TTOGAT	OMOL ANPEU TDTS	"					
705										
710										
715	TUES LWKE MSSI AJ	TGOU OTAL BLBU LR	BOAZ TTOGAT	OMOL ANPEU TDTS	KRS /off trail			✓ THV	THV	
716										
719										
730	TUES LWKE MSSI AJ	TGOU OTAL BLBU LR	BOAZ TTOGAT	OMOL ANPEU TDTS	Karukonda off trail			✓ THV	THV	
745	TUES LWKE MSSI AJ	TGOU OTAL BLBU LR	BOAZ TTOGAT	OMOL ANPEU TDTS	"	✓	"	"	"	
757										
759										

Aggression/Received Aggression (Use additional sheets and describe on back if necessary) *Food barks.*

Time	ID	VD	NvD	Chase			Victim	Response of Victim				Context	Height T or G
				Attack	1	2		3	ID	No	Av		
757	KK	20secs		3secs			OU	F	✓			Unknown	9
759	KK	11secs					None					Social excitement	9
759	TU	9secs					None					"	9

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full
 AP: Adult play; CP: Copulation; CY: Carry; DR: Drink; ELE: Elephants; FBK: Food Bark; HCG: Hand-clasp groom; HNY: Honey
 IGI: Intergroup interaction; LF: Leaf use; MAT: Monkeys attack; PIG: Pigs; Pred: Predation; PTG: Pant-grunt; RN: Rain
 RD: Rain display; SOIL: Eating red soil; STK: Stick use; TLU: Tool use; UNF: Unusual food; Q: Other unusual events
 PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

Day 30th Month Dec Year 2009 KPC Fm Others Fc AG Found N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
800	TUES LKKK MSST AJ	T90U OTAL BLR BU	BOAZ TT0GAT	Omou ANINPEU TDTS	Karukanda off trail	✓	SEV	RF		
815	TUES LKKK MSST AJ	T90U OTAL BLR BU	TT0GAT BOAZ	Omou ANINPEU TDTS	✓	✓	✓	✓		
830	TUES LKKK MSST AJ	T90U OTAL BLR BU	TT0GAT BOAZ	Omou ANINPEU TDTS	✓	✓	✓	✓		
845	TUES LKKK MSST AJ	T90U OTAL BLR BU	TT0GAT BOAZ	Omou ANINPEU TDTS	✓	✓	✓	✓		
900	TUES LKKK MSST AJ	T90U OTAL BLR BU	BOAZ TT0GAT	Omou ANINPEU TDTS	✓	✓	SEV	RF		
905	ST eating red soil from the roots of a fallen tree soil									
915	TUES LKKK MSST AJ	T90U OTAL BLR BU	BOAZ TT0GAT	Omou ANINPEU TDTS	Karukanda off trail	✓	SEV	RF		
930	AJ TUES LKKK MSST	T90U OTAL BLR BU	BOAZ TT0GAT	Omou ANINPEU TDTS	MFP /1200	✓	✓	✓		
945	TUES LKKK MSST AJ	T90U OTAL BLR BU	BOAZ TT0GAT	Omou ANINPEU TDTS	✓	✓	✓	✓		
1000	TUES LKKK MSST AJ	T90U OTAL BLR BU	BOAZ TT0GAT	Omou ANINPEU TDTS	✓	✓	✓	✓		
1015	AJ TUES LKKK MSST	T90U OTAL BLR BU	BOAZ TT0GAT	Omou ANINPEU TDTS	✓	✓	✓	✓		
1023	Om playing with Eu by touching, bite and chasing.									
1029	kk grooming LK.									
1030	Lk grooming Kk.									
1030	TUES LKKK MSST AJ	T90U OTAL BLR BU	BOAZ TT0GAT	Omou ANINPEU TDTS	1200 /MFP	✓	SEV	RF		

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase			Victim	Response of Victim				Context	Height T or G
				1	2	3		ID	No	Av	Submission		

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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KPC Behavior

Day 30th Month Dec Year 2009 KPC Em Others Fc AG Found N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1034	kk grooming Lk.									
1035	Lk grooming kk.									
1037	Lk Lk made <u>joint vocal displays</u> and others									
	pant-barked.									
1038	Lk chased O9 who ran out of the tree <u>screaming</u>									
1045	TUES Lk Lk MSST	T9OU OTAL BLR BU	BOAZ TTOGAT	OMOL ANLPEU TDTIS	MFA /1200	✓	SEV	RF		
1046	Lk made non <u>vocal displays</u> and <u>chased</u>									
	some Ios who fled <u>screaming</u> in poor view.									
1049	NP fought with TT by dragging and biting									
	each other, then fell together from the tree and									
	<u>screamed</u> . T9 threatened NP also casually									
	avoided warbarking as TT warbarked also.									
1100	TUES Lk Lk MSST	T9OU OTAL BLR BU	BOAZ TTOGAT	OMOL ANLPEU TDTIS	MFA /1200	✓	CAF	YU	SEV	RF
1115	TUES Lk Lk MSST	T9OU OTAL BLR BU	BOAZ TTOGAT	OMOL ANLPEU TDTIS	✓	✓	✓	✓		
1119	Hand clasp mutual groom Lk ↔ ST									HCG

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Response of Victim				Context	Height T or G	
					1	2	3	Victim ID	No	Av	Submission			Tn
1037	Lk Lk	7secs						MSST					Unknown	G
1038	Lk			2sec				O9	F	✓			food competition	T
1049	NP				✓			TT	No	✓		✓	" "	T

Copulation

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KPC Behavior

Day 30th Month Dec Year 2009 KPC Fm Others Fc AG Found N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1121	ST grooming LK.									
1123	mutual groom but not hand clasp. ST ↔ LK.									
1125	chain groom, LK → ST → KK.									
1129	LK grooming ST.									
1130	TUES msst LKKK AJ	T9OU OTAL BLR BU	BOAZ TT0GAT	Omou ANNPEU TSTS	NFD /1200	✓	SEV	RF		
1131	ST grooming KK.									
1132	Hand clasp mutual groom, ST ↔ KK.									Hcg
1135	KK grooming ST.									
1138	ST grooming KK.									
1143	TS grooming NP.									
1144	NP grooming TS.									
1145	AJ TUES msst LKKK	T9OU OTAL BLR BU	BOAZ TT0GAT	Omou ANNPEU TSTS	NFD /1200	✓	SEV	RF		
1200	AJ TUES msst LKKK	T9OU OTAL BLR BU	BOAZ TT0GAT	Omou ANNPEU TSTS		✓	✓	✓		
1215	AJ TUES msst LKKK	T9OU OTAL BLR BU	BOAZ TT0GAT	Omou ANNPEU TSTS		✓	✓	✓		
1230	AJ TUES msst LKKK	T9OU OTAL BLR BU	BOAZ TT0GAT	Omou ANNPEU TSTS	NFD /1200	✓	SEV	RF		

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim ID	Response of Victim				Context	Height T or G
					1	2	3		No	Av	Submission	Tn		
		Duration												

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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KPC Behavior

Day 30th Month Dec Year 2009 KPC Fm Others FCAG Found M

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1238	ST	grooming	TU							
1243	TU	grooming	ST							
1245	TLU MSST LKKK AJ	Bulu OTAL TJOU BU	BOAZ ATOSTT	Omol ANMP EU TSTS	MFP /1200	✓	SEV	RF		
1250	KK	grooming	LK	and AJ	grooming	LR				
1250	TU	grooming	MS							
1251	KK	inspected	LR	by smelling on the	Estrous					
1252		Hand clasp mutual groom	MS ↔ TU							HCG
1252	ES	inspected	LR	by smelling on the	Estrous					
1253	TU	grooming	KK							
1254	KK	grooming	TU							
1255	ES	made non vocal displays	chasing	LR						
		who fled	screaming							
1257	LK	made non vocal displays	chasing	ES	who					
		ran into the tree	screaming then war-barked							
1259	ES	made NVD	chasing	LR	who fled	screaming				

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase			Attack			Victim			Response of Victim			Context	Height T or G
				1	2	3	1	2	3	ID	No	Av	Submission	Tn	Rt		
1255	ES		5secs	3secs					LR	F	✓				Unknown	9	
1257	LK		11secs	4secs					ES	F	✓				Unknown	9	
1259	ES		6secs	3secs					LR	F	✓				Unknown	9	

Copulation									
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KPC Behavior

Day 30th Month DEC Year 2009 KPC Fm Others FC AG Found N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1300	TUES MSST LWKK AJ	BLLR OTAL OU BU	BOAZ ATOSTT	OMOL ANNPEU TOTS	OLT /1200	✓	SEV	RF		
1301	TT chased AZ and he fled screaming.									
1306	TT made attack one to Bo by biting as they played and he ran out of the tree screaming.									
1315	TUES MSST LWKK AJ	BLLR OTAL OU BU	BOAZ ATOSTT	OMOL ANNPEU TOTS	OLT /1200	✓	THV SEV	THV RF		
1330	TUES MSST LWKK AJ	BLLR OTAL OU BU	BOAZ ATOSTT	OMOL ANNPEU TOTS	4	✓	THV	THV		
1331	NP was heard coughing. (wet cough).									
1345	TUES MSST LWKK AJ	BLLR OTAL OU BU	OSATT BOAZ	OMOL ANNPEU TOTS	OLT /1200	✓	THV	THV		
1346	OU grooming ST.									
1358	LK grooming MS.									
1359	Om playing with AZ by biting and wrestling.									
1400	TUES MSST LWKK AJ	BLLR OTAL OU BU	TTOJAT BOAZ	OMOL ANNPEU TOTS	OLT /1200					
1402	ST grooming MS.									
1405	MS grooming ST.									
1409	Hand clasp mutual groom MS ↔ ST.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase			Attack			Victim				Response of Victim				Context	Height T or G
				1	2	3	1	2	3	ID	No	Av	Submission	Tn	Rt	RA			
1301	TT									AZ								Unknown	S
1306	TT									BO								Unknown	T

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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KPC Behavior

Day 30th Month DEC Year 2009 KPC Fm Others FE AG Found N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1411	ST grooming ms.									
1415	ms grooming ST.									
1415	TUES MSST LKKK AJ	BLLR OTAL T9OU BU	BOAZ ATOSTT	OMSL ANNPEU TOTS	OLT /1200					
1417	ST grooming ms.									
1417	AL approached <u>pant grunting</u> to LKK who ignored.									PTG
1418	ms moved and AL <u>pant grunted</u> to him but he didn't respond.									PTG
1422	AJ made <u>attack</u> on T9 by slapping and she fled screaming. She moved to LKK and they rubbed their bottoms against each other then went back to AJ <u>warbarking</u> but he ignored.									
1425	LKK grooming ST.									
1430	TUES MSST LKKK AJ	BLLR OTAL T9OU BU	BOAZ ATOSTT	OMSL ANNPEU TOTS	OLT /1200	✓	THV	THV		
1433	Hand clasp mutual groom. LKK ↔ ST									HCG
1436	mutual groom but not hand clasp. ST ↔ LKK.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase			Attack			Victim			Response of Victim			Context	Height T or G
				1	2	3	1	2	3	ID	No	Av	Submission	Tn	Rt		

Copulation

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KPC Behavior

Day 30th Month DEC Year 2009 KPC Fm Others Fc Ag Found N

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	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1438	Lk	grooming	ST							
1440	ST	grooming	Lk							
1443	Chain	grooming	MS → ST → Lk							
1445	TUES MSST Lk Lk AJ	BLLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANNPEU TOTS	OLT /1200	✓	THV	THV		
1500	TUES MSST Lk Lk AJ	BLLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANNPEU TOTS	NFP /Kankonda			"		
1515	TUES MSST Lk Lk AJ	BLLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANNPEU TOTS	"	✓	"	"		
1524	ST	made an arm threat to EU and she fled screaming but no one responded.								
1524	OT	eating red soil from the roots of a fallen tree.								Soil
1530	TUES MSST Lk Lk AJ	BLLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANNPEU TOTS	NFP Kankonda	✓	THV	THV		
1545	TUES MSST Lk Lk AJ	BLLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANNPEU TOTS	"	✓	"	"		
1600	TUES MSST Lk Lk AJ	BLLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANNPEU TOTS	"	✓	"	"		
1613	Some one	made non vocal displays chasing some IDs who fled screaming.								
1615	TUES MSST Lk Lk AJ	BLLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANNPEU TOTS	NFP Kankonda	✓	THV	THV		

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				1	2	3		No	Av	Submission	Tn		

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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KPC Behavior

Day 30th Month DEC Year 2009 KPC Fr Others Fr Ag Found N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1617	ST made attack on L2 in the feeding tree									
	and she screamed abt but didn't avoid									
1630	AJ ES TU ES ms ST LKKK	BL L2 TSOU OTAL BU	TTGAT BOAZ	Omou AN MPEU TOTS	NFP karukonda		ITHV ITHV			
1638	AZ grooming KK.									
1638	AZ grooming L2.									
1643	EU playing with AZ by biting.									
1645	AJ ES TU ES ms ST LKKK	BL L2 TSOU OTAL BU	TTGAT BOAZ	Omou AN MPEU TOTS	NFP karukonda		ITHV ITHV			
1648	L2 playing with AZ by touching and biting									AP
1650	Hand clasp mutual groom TU ↔ TS									HCG
1651	TU grooming TS.									
1652	EU playing with AZ by wrestling.									
1652	TU approached and L2 pant grunted									PTG
	then groomed him.									
1653	Hand clasp mutual groom TU ↔ L2									HCG
1654	L2 grooming TU.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase			Attack					Response of Victim			Context	Height T or G		
				1	2	3	ID	No	Av	Submission	Tn	Rt	RA					
1617	ST						✓					L2	No	✓			food competition T	

Copulation									
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1700	AJ TUES msst LKKK	BLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANLPEU TDTS	NFP /karukonda	✓	THV	THV		
1715	AJ TUES msst LKKK	T9OU BLR OTAL BU	TTOGAT BOAZ	OMOL ANLPEU TDTS	✓	✓	✓	✓		
1728	There was a fight in dense vegetation and there was a lot of screams and wearbarks.									
1730	AJ TUES msst LKKK	BLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANLPEU TDTS	NFP /1200	✓	THV	THV		
1745	TUES msst LKKK AJ	BLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANLPEU TDTS	✓	✓	✓	✓		
1800	TUES msst LKKK AJ	BLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANLPEU TDTS	Karukonda of trail	✓	✓	✓		
1815	TUES msst LKKK AJ	BLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANLPEU TDTS	✓	✓	THV	THV		
1823	There was a fight in dense vegetation and the ios were not seen.									
1826	Some one was chased and fled screaming.									
1830	TUES msst LKKK AJ	BLR T9OU OTAL BU	TTOGAT BOAZ	OMOL ANLPEU TDTS	Karukonda of trail	✓	THV	THV		
1831	Some ios made nesting grunts.									
1832	TU building a night nest, 12 m high, ABH 17cm (E) sp. <i>Diospyros</i> .									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

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KPC Behavior

Day 30th Month DEC Year 2009 KPC FM Others FC AG Found N

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	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)						
1834	ST building a night nest, 10 m high,								
	DBH 15cm (E) sp. Diospyrus.								
1845	TUES MSST LWKK AJ	BLLR T9OU OTAL BU	TTOGAT BPAZ	Small ANNPEU TOTS	karukonda off trail				
1849	T9 building a night nest, 14 m high, DBH								
	15cm (E) sp. Diospyrus.								
1850	L2 building a night nest, 16 m high DBH?								
	Sp. Diospyrus.								
1900	TUES MSST LWKK AJ	BLLR T9OU OTAL BU	TTOGAT BPAZ	Small ANNPEU TOTS	karukonda off trail				
1903	Obs leaving the nest site.								

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase			Victim	Response of Victim					Context	Height T or G
				Attack	1	2		3	ID	No	Av	Submission		
		Duration												

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full
 AP: Adult play; CP: Copulation; CY: Carry; DR: Drink; ELE: Elephants; FBK: Food Bark; HCG: Hand-clasp groom; HNY: Honey
 IGI: Intergroup interaction; LF: Leaf use; MAT: Monkeys attack; PIG: Pigs; Pred: Predation; PTG: Pant-grunt; RN: Rain
 RD: Rain display; SOIL: Eating red soil; STK: Stick use; TLU: Tool use; UNF: Unusual food; Q: Other unusual events
 PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)